UF | IFAS Extension
UNIVERSITY *of* FLORIDA

Martin County 4-H
HEIFER
Project Record Book

4-H Member Name: _____

Age as of September 1: _____ ☐ Junior (8-10) ☐ Intermediate (11-13) ☐ Senior (14-18)

Number of years in 4-H: _____

Member's Parent/Guardian Name: _____

Member Contact Phone Number: _____

Member Contact Email Address: _____

Ear Tag Number _____

Ethics Certificate Number _____

Check one: ☐ Beef Heifer ☐ Dairy Heifer

I hereby certify that as the exhibitor of this project, I have personally kept records on this project and have personally completed this record book.

_____   _____
Member's Signature   Date

This youth is an active member of the _____ 4-H Club.
This record book has been completed by the youth and is an accurate record of the project.

_____   _____
4-H Club Leader Signature   Date

Youth Animal Project Agreement
(to be completed at the beginning of the project)

The youth (4-H member) is responsible for caring for the animal, which will include feeding, deworming, providing fresh, clean water, providing a pen, washing, and showing. The youth will use this project as an educational tool to learn skills needed in the livestock industry. This project will also help the youth accept success and failure as a learning experience. The youth will keep accurate records on their project animal.

<div align="center">I accept these responsibilities.</div>

_____   _____
Member's Signature   Date

The parents/guardians are responsible for providing financial help, if needed, along with assistance and encouragement while the youth is raising this animal.

<div align="center">I/we accept these responsibilities.</div>

_____   _____
Parents'/Guardians' Signature   Date

Drug Statement

I hereby certify that any drug or antibiotic substance which may be administered by me, or any other person will be done so in strict compliance with the manufacturer's label requirements or as prescribed by a veterinarian.

_____   _____
Member's Signature   Date

_____   _____
Parents'/Guardians' Signature   Date

_____   _____
4-H Club Leader   Date

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PURPOSE OF A 4-H ANIMAL SCIENCE PROJECT

The purpose of a 4-H HEIFER animal science project is to achieve the following:

- To acquire an understanding of the animal industry by preparing for, purchasing, caring for, and keeping records on one or more head of animals.

- To be able to identify the types and breeds of animals and employ efficient methods of production and marketing.

- To understand the business aspects and economics of purchasing animals, feed, facilities, and equipment for an animal science project.

- To develop integrity, sportsmanship, and cooperation.

- To develop leadership abilities, build character, and become responsible citizens.

4-H CLUB REQUIREMENTS FOR YOUR ANIMAL SCIENCE PROJECT

- Maintain records throughout the project and complete this record book

- Remain in good standing as a 4-H club member

- Attend at least 2/3 of your club meetings and activities

- Complete two (2) workshop trainings

- Complete at least four (4) hours of community service

- Assist with any events or fundraisers for your Club

- Assist with any additional activities set by your Club Leader (such as participation in County Events)

GOALS AND ACHIEVEMENTS FOR YOUR PROJECT

Goals should be established at the beginning of your project. Choose several goals for your project which will be challenging, yet reachable. Your 4-H Club Leader will help you select goals which are appropriate for your age, your experience, and your interests. Goals should include all aspects of your project or 4-H activity. At the end of your project, compare your goals with your achievements and ask your leader initial and date the goals you achieve.

What I plan to do √	GOAL	Date Achieved	Leader's Initials	Comments
	Raise my animal to completion and exhibit at the county fair.			
	Exhibit my animal at fairs other than county fair.			
	Be in the top 5 of my class with my project animal.			
	Have my animal meet industry standards for an ideal breeding animal.			
	Take full responsibility for the fitting and showing of my animal.			
	Complete my record book to the best of my ability.			
	Learn how to groom and clip my project animal.			
	Give a demonstration or illustrated talk about my project.			
	Enter the 4-H County Events for a topic related to my project.			
	Other: List here			

PROJECT INVENTORY – SUPPLIES & EQUIPMENT

List all equipment and assets you have from the beginning of the project starting with the purchase date of the animal. You will include here the items you purchase or receive during your project and what you have at the end of the project. This could include brushes, grooming supplies, show box, barns, fences, etc.

Only list the items that will be kept at the end of this project, not supplies that will be used up such as shampoo, hay, or feed, etc.

*Examples of formulas below assume a current year of 2021

| Item Description | Year Received or Purchased | Purchase Cost or Value

A | Value at Beginning of this Project Year* [Calculated **A times 10% depreciation times #years owned**] B | Depreciation- 10% per calendar year [Calculated **B times 0.10 times #years**] C | Value at End of Project [Calculated **B minus C**] D |
|---|---|---|---|---|---|
| *Brush* | *2017* | *$15.00* | *[$15 x 0.1 x 4]=6; $15.00-6.00 = $9.00* | *[$9 x 0.1 x 1] = $0.90* | *[$9.00 – 0.90] = $8.10* |
| *Bucket* | *2019* | *$40.00* | *[$40 x 0.1 x 2]=8; $40.00-8.00 = $32.00* | *[$32 x 0.1 x 1] = $3.20* | *[$32.00 – 3.20] = $28.80* |
| *Show stick* | *current year* | *$25.00* | *$25.00* | *[$25 x 0.1 x 1] = $2.50* | *[$25.00 – 2.50] = $22.50* |
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| **Total Depreciation** | | | | | |
| **Value of project assets** | | | | | |

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ANIMAL EXPENSES and INCOME

COST OF PROJECT ANIMAL:

Date of Purchase	Description/Breed	Birth Date	Sex M/F	Breeder/Seller	Starting Weight	Cost (expense)

NON-FEED EXPENSES:

List all miscellaneous operating costs **other than feed** or the cost of the animal. List everything that you will not have still at the end of the project [not inventory from previous page]. Start from the purchase date of the animal. These expenses may include: supplies, bedding, veterinarian fees and medicines, transportation, show fees, rent/lease of a building and other expendable items such as shampoo, shoe polish, hair spray, etc.

Purchase Date	Item Description	Paid To	Total Cost
		Total Non-Feed Expenses	

FEED EXPENSES:

List all types of products fed to your animal, including grain or feed, concentrates, corn, roughage such as hay, silage, pasture, grasses, or protein supplements. List each feed item separately. Start from the purchase date of the animal.

Purchase Date	Item Description	Weight (Pounds)	Purchased From	Total Cost

TOTAL POUNDS OF FEED (both pages) = _____

TOTAL FEED COST (both pages) =   **$**

OTHER INCOME:

List any income from your project BEFORE the market auction. Include donations, premiums, sponsorships, or other money given to you for the project.

Date	Description/Sponsor	Total
	If none, enter zero. This is an asset.	

BREEDING RECORD

Indicate if breeding was either natural or by artificial insemination below.

Female Name/ Number	Female Age/ Weight	Sire Breed and ID	Artificial Insemination Date	Begin Pasture Exposure Date	End Pasture Exposure Date	Calving Due Date

Total breeding fees: $ _____

CALVING RECORD

Date calved: _____

Dam: Name/No. _____   Age:_____   Weight: _____

Calf: Sex: _____   Weight: _____

Did your heifer have any calving problems? Yes ☐   No ☐

If yes, please describe:

_____

_____

_____

_____

HEALTH RECORDS

This should include a record of any health-related activities including well-animal care (deworm, vaccinate, or use of veterinarian services for any other reason). Indicate what was used, how much was used, and what it was used for. Include items such as a health certificate. If an animal is healthy throughout the project, make note of this in the area below.
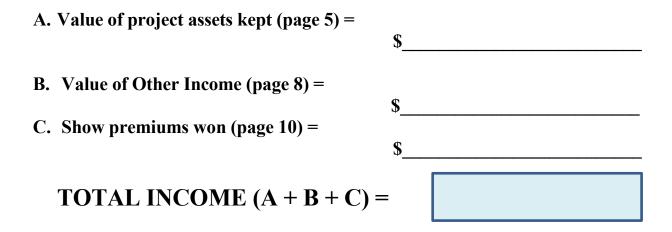
Date	Description of Activity	Product Used	Dosage	Withdrawal Time

SHOW RECORDS

Date	Name of Fair or Show	Name of Class	Award or Placement	Show Premiums Won
			Total Premiums Won (asset/income)	

PROJECT SUMMARY

INCOME

A. Value of project assets kept (page 5) =

$_____

B. Value of Other Income (page 8) =

$_____

C. Show premiums won (page 10) =

$_____

TOTAL INCOME (A + B + C) =

EXPENSES

A. Value of animal raised or purchased for the project (page 6) =

$_____

B. Total non-feed expenses (page 6) =

$_____

C. Total feed expenses (page 8) =

$_____

D. Total breeding fees (page 9)

$_____

TOTAL EXPENSES (A + B + C+ D) =

TOTAL PROFIT OR LOSS
(TOTAL INCOME – TOTAL EXPENSES) =

$

PROJECT PHOTOS OR DIAGRAMS

Show photos from the beginning to the end of your project. You should include photos of different skills or activities you have learned from participating in this project. Include between 4-8 pictures and please include a caption with each one. These captions should explain what you are doing and why you are doing the things in the photo. Spelling and grammar count. If you are unable to take and print photos, you may sketch or draw scenes from your project from the beginning to the end.

PROJECT PHOTOS OR DIAGRAMS (continued)

PROJECT STORY OUTLINE

You will make an outline for your project story first. It should include what you have learned about your animal, what safety practices you used, and what you could do to improve your project.

I.   Introduction
        A. What animal did you raise, breed, color, markings, etc.
        B. Where did you keep your animal, type of pen/housing, living area, etc.
        C. Why did you choose to do this project for 4-H?

II.   What did you learn?
        A.
        B.
        C.

III.   What safety practices did you use?
        A.
        B.
        C.

IV.   What improvements could you have made?
        A.
        B.
        C.

V.   What goals did you achieve that you had set out from the beginning?
        A.
        B.
        C.

VI.   Summary – Leave the reader with an overall idea or ending thought about your project. This is the conclusion to your story.

PROJECT STORY

You should use the story outline from page 14 as your guide. Your project story must be a minimum of three paragraphs: an Introduction, a Body, and a Conclusion. Your story should include details which will bring it to life, such as descriptive words, something funny or surprising that happened, and what goals you achieved from the ones you selected on page 4 of this record book. Your story will be judged for grammar, spelling, and neatness. You may attach typed or word-processed pages here.

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PROJECT STORY (continued)

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Martin County 4-H
Record Book Score Sheet

Name:_____ Project: _____

Check one: _____ Junior (8-10) _____ Intermediate (11-13) _____ Senior (14-18)

SECTION	Points Possible	Points Scored
1. Forms signed (pages 1 and 2)	**5**	
2. Goals and Achievements (page 4)	**8**	
3. Project inventory (page 5)	**5**	
4. Non-feed expenses (page 6)	**5**	
5. Feed expenses (pages 7 & 8)	**5**	
6. Other income before sale (page 8)	**3**	
7. Breeding/calving record (page 9)	**5**	
8. Health record (page 10)	**8**	
9. Show record (page10)	**2**	
10. Project summary (page 11)	**15**	
11. Pictures (pages 12 & 13)	**10**	
12. Market project outline & story (pages 14 - 16)	**25**	
13. Neatness & completion	**4**	
TOTAL POINTS	**100**	

Comments:

Record Book Awards
Blue: 90-100
Red: 80-89
White: 70-79
Best Record Book will be awarded to one youth per eligible 4-H age group per year.

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SKILLS LEARNED – PARENTS, PLEASE ASSIST!

Put a check mark by each of the following life skills that you have learned or improved on during this project.

4-H LIFE SKILLS

	HEAD		HANDS
	Learning to Learn		Community Service & Volunteering
	Decision Making		Leadership
	Problem Solving		Responsible Citizenship
	Critical Thinking		Contributions to Group Effort
	Service Learning		Marketable Skills
	Goal Setting		Teamwork
	Planning/Organizing		Self-Motivation
	Wise Use of Resources		
	Keeping Records		
	Resiliency		
	HEART		HEALTH
	Communication		Self-Esteem
	Cooperation		Self-Responsibility
	Social Skills		Character
	Conflict Resolution		Managing Feelings
	Accepting Differences		Self-Discipline
	Concern for Others		Healthy Lifestyle Choices
	Empathy		Stress Management
	Sharing		Disease Prevention
	Nurturing Relationships		Personal Safety

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I pledge:

Head for Clearer Thinking

Heart for Greater Loyalty

Hands for Larger Service

Health for Better Living

...for my Club, my Community, my Country and my World.

I pledge my **HEAD** to clearer thinking,

My **HEART** to greater loyalty,

My **HANDS** to larger service,

And my **HEALTH** to better living,

For my club, my community, my country and my world.

18 USC 707

For more information about the Martin County 4-H Youth Development Program, please visit our website at:

https://sfyl.ifas.ufl.edu/martin/4-h-youth-development---martin/

or on Facebook **@Martin.ifas.ufl.edu**

or Instagram **@MartinCounty4H**

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